

TECSA EMPRESA CONSTRUCTORA, S.A., has been founded for the execution of the Research and Development project entitled “**DESIGN AND DEVELOPMENT OF AN AUTOMATIC SYSTEM FOR THE SELECTIVE CORRECTION OF ONDULATORY CORRUGATION IN URBAN, PERIURBAN RAILWAY LINES AND TRAM SYSTEMS**” IDI-20181023, through the Center for Industrial Technological Development (CDTI), assistance co-financed by the European Union and CDTI through the Spanish Multi-Regional Operational Program 2014-2020.

The overall objective is to **develop a technological solution** that allows the railway administrations and construction and consulting companies belonging to the rail maintenance sector to **diagnose the causes of noise reliably, identifying the origin of the noise in any situation and in all possible cases, determining the optimal mitigating solution or solutions that must be implemented to obtain the highest levels of acoustic reduction**, and providing universal effective mitigation guarantees.

For this, it is contemplated to design and develop an automatic and selective correction equipment for corrugation to eliminate the noise generated in the railway, being mainly destined to conventional and metropolitan lines.

The project is developed at the Madrid facilities during the 2018 - 2019 annuities, and with an execution budget of 568,526 €.

